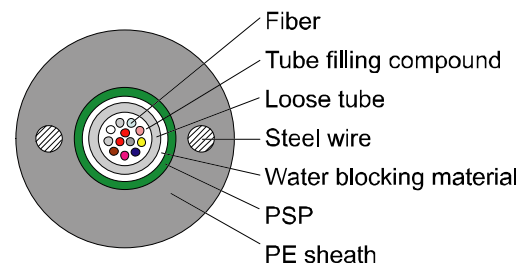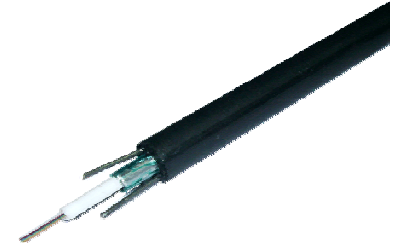# Unitube Light-armored Cable
GYXS/GYXTW

Description

The fibers, 250μ m, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. The tube is wrapped with a layer of PSP longitudinally. Between the PSP and the loose tube water-blocking material is applied to keep the cable compact and watertight. Two parallel steel wires are placed at the two sides of the steel tape. The cable is completed with a polyethylene (PE) sheath.

Fiber
Tube filling compound
Loose tube
Steel wire
Water blocking material
PSP
PE sheath

Characteristics

- Good mechanical and temperature performance

- High strength loose tube that is hydrolysis resistant

- Special tube filling compound ensure a critical protection of fiber

- Crush resistance and flexibility

- PSP enhancing moisture-proof

- Two parallel steel wires ensure tensile strength

- Small diameter, light weight and friendly installation

- Long delivery length

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Optical Characteristics

		G.652	G.655	50/125 μ m	62.5/125 μ m
Attenuation (+20ºC)	@ 850 nm			≤ 3.0 dB / km	≤ 3.0 dB / km
	@ 1300 nm			≤ 1.0 dB / km	≤ 1.0 dB / km
	@ 1310 nm	≤ 0.36 dB / km	≤ 0.40 dB / km		
	@ 1550 nm	≤ 0.22 dB / km	≤ 0.23 dB / km		
Bandwidth (Class A)	@ 850 nm			≥ 500 MHz- km	≥ 200 MHz- km
	@ 1300 nm			≥ 1000 MHz- km	≥ 600 MHz- km
Numerical Aperture				0.200 ± 0.015 NA	0.275 ± 0.015 NA
Cable Cut-off Wavelength		≤ 1260 nm	≤ 1480 nm		

Technical Parameters

Cable Type (Increased by 2 fibers)	Fiber Count	Cable Diameter mm	Cable Weight Kg/km	Bending Radius Static/Dynamic mm	Tensile Strength Long/Short Term N	Crush Resistance Long/Short Term N/100mm
41008-2~12Xn	2~12	10.0	120	100 / 200	600 / 1500	300 / 1000
41008-2~12Xn	2~12	10.6	147	106 / 212	1500 / 3000	1500 / 3000
41008-14~24Xn	14~24	12.5	170	125 / 250	1500 / 3000	1500 / 3000
41008-26~36Xn	26~36	14.0	185	140 / 280	1500 / 3000	1500 / 3000
41008-38~48Xn	38~48	15.0	200	150 / 300	1500 / 3000	1500 / 3000

TP: Fiber Counts,02 means 2 fibers, 12 means 12 fibers. 06 means OM1 62.5/125 μm; 05 means OM2 50/125 μm; 09 means OS1 9*125 μm)

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